

FILTERING TECHNIQUE FOR FREE SPACE COMMUNICATION

ABSTRACT OF THE DISCLOSURE

5 A filtering technique for a free space communication that features encoding and decoding of signals employing a filtering apparatus that includes a bulk holographic transform function. Employing the encoding and decoding technique facilitates providing a great number of channels of communication in a unit volume while preventing unwanted cross-talk between the communication channels. In addition, secure
10 communication links between transmitters and receivers may be provided.

